

Figure 1

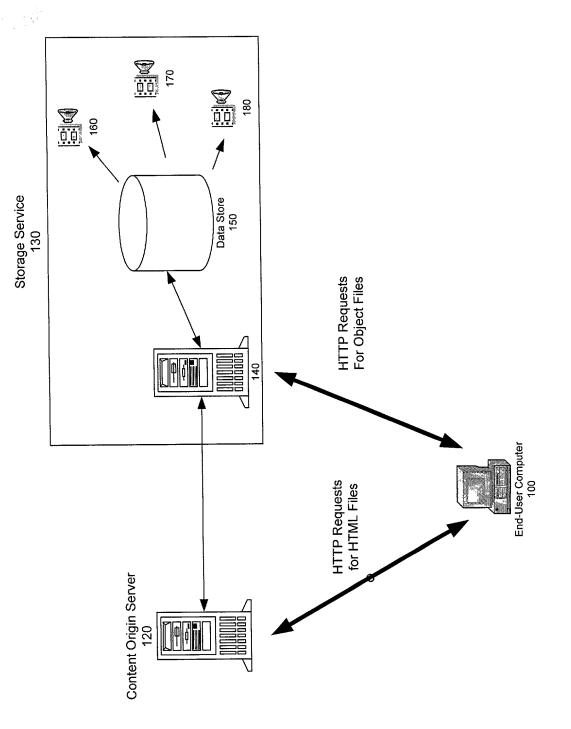
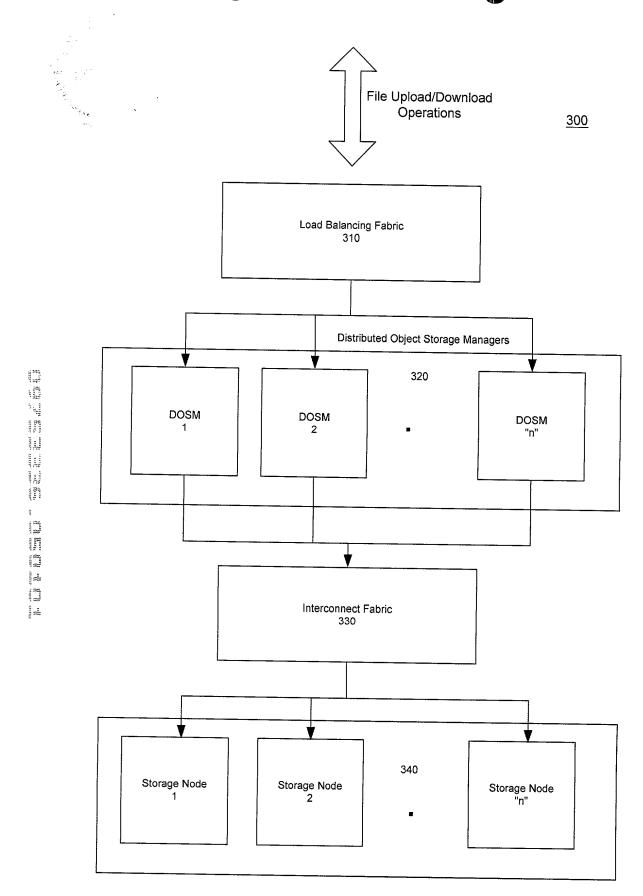
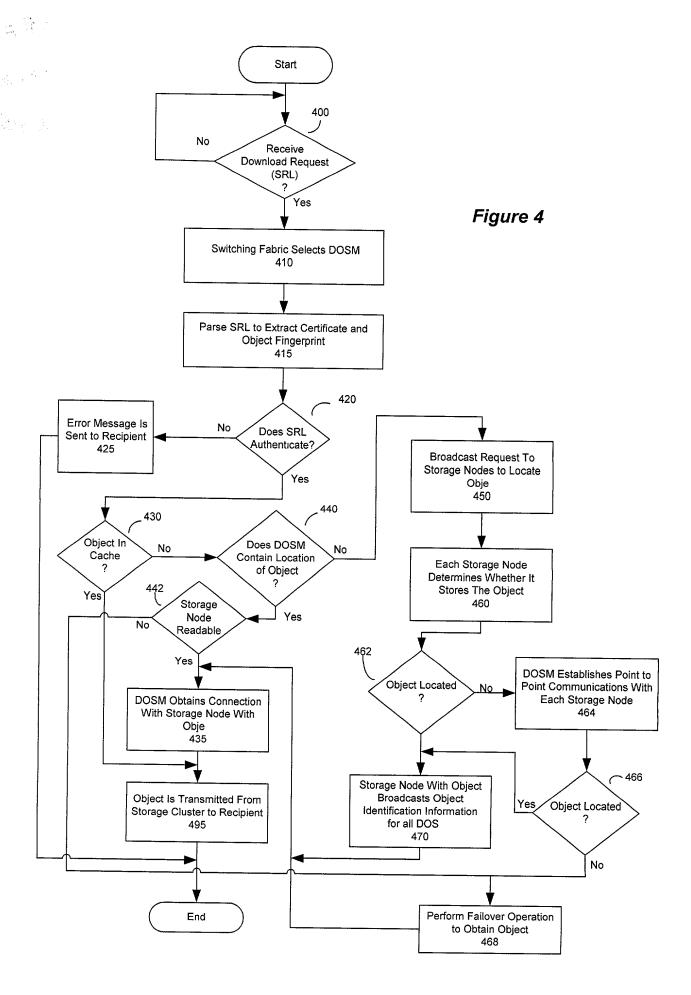


Figure 2



Intelligent Storage Nodes

Figure 3



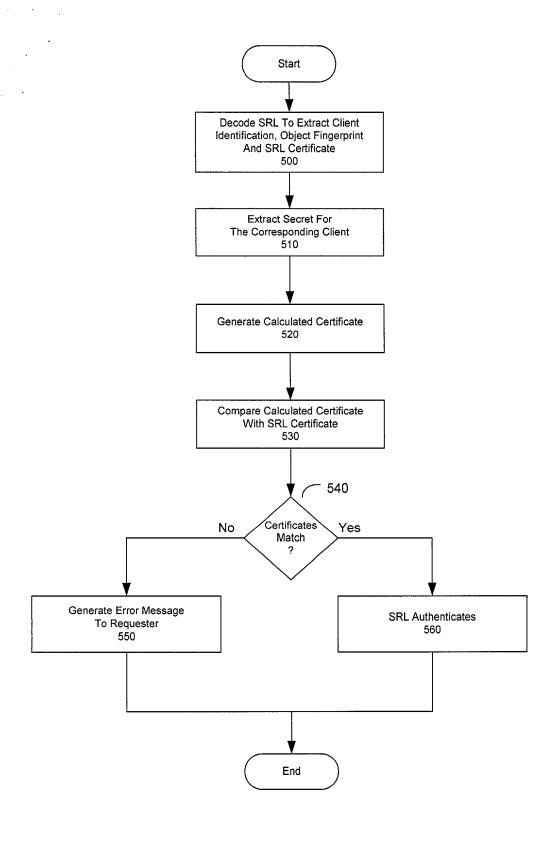


Figure 5

DOSM File Look-up Table 610

File Id	IP Addr	Disk Id
file1.MD5	10.3.100	3
file2.MD5	10.3.098	1
file3.MD5	10.3.050	6
file4.MD5	10.3.100	2
file5.MD5	10.3.098	1
file6.MD5	10.3.050	8

Load of Storage Nodes
- Storage Capacity
- Number of I/O Operatio
Per Second

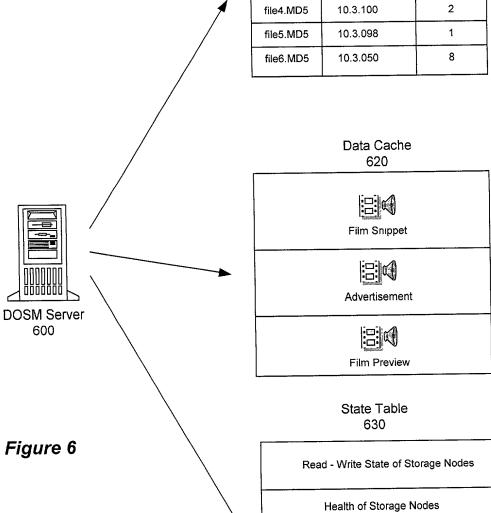


Figure 7

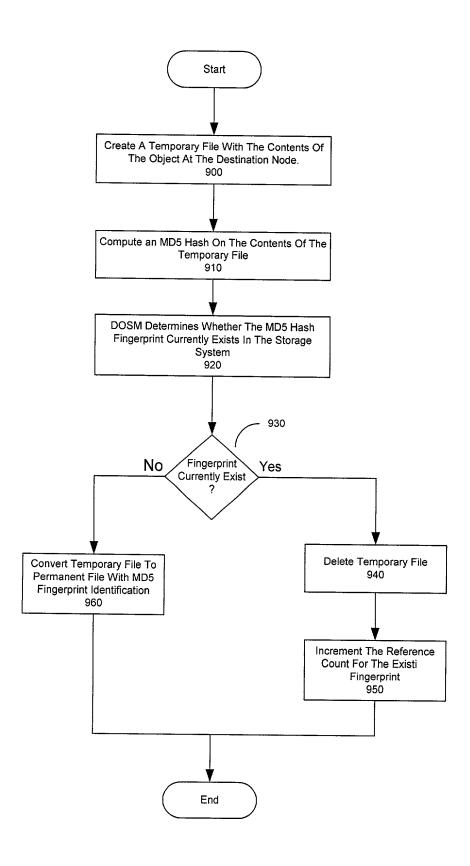


Figure 9

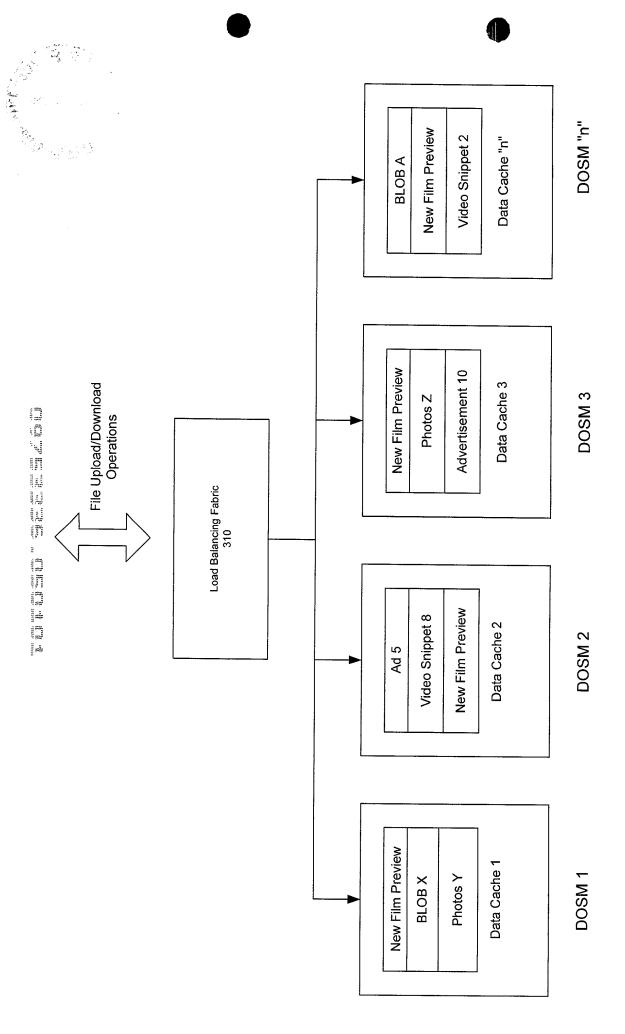


Figure 10

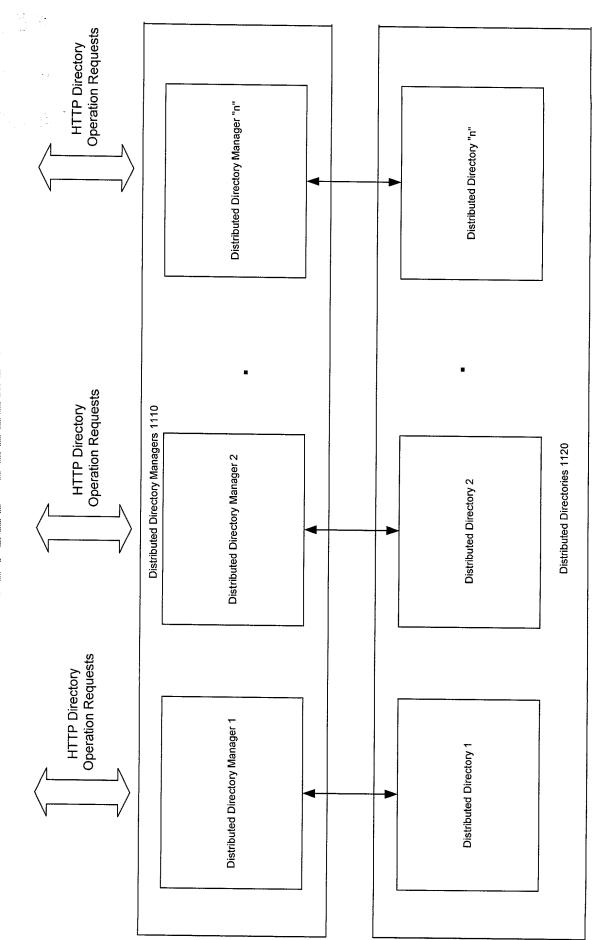


Figure 11

1100

Customer Table

Customer Id	Customer Name	Customer Reserved Fiel	
1	Customer	[Customer stores data]	1200
2	Customer	[Customer stores data]	
3	Customer C	[Customer stores data]	
4	Customer D	[Customer stores data]	

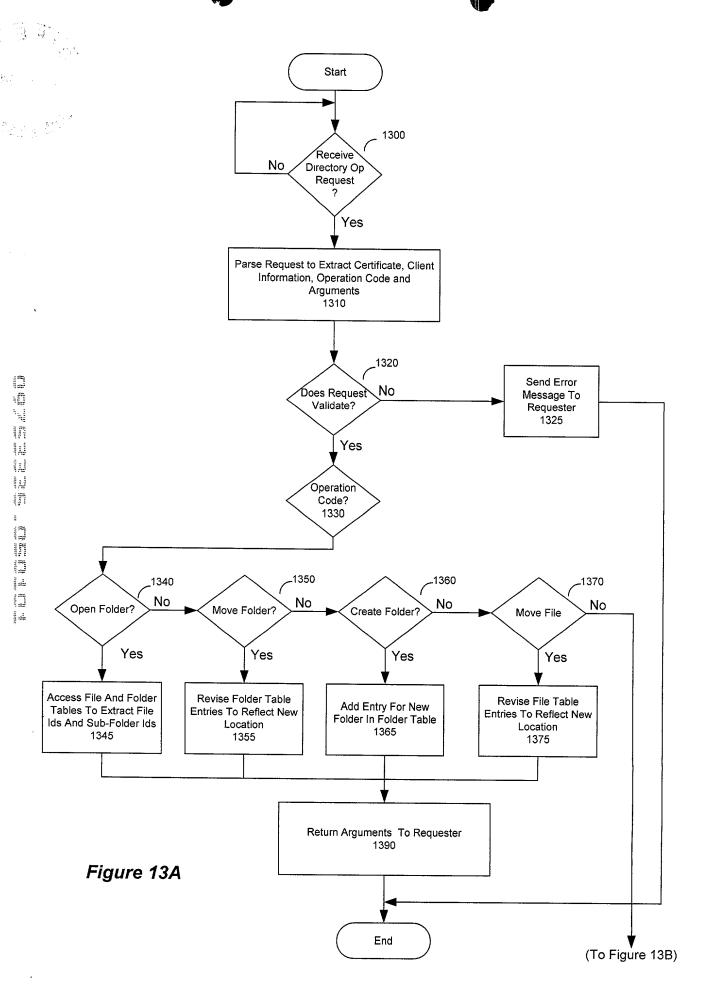
Folder Tab

Customer Id	Folder Id	Folder Parent Id	Metadata	
3	2	-	[Reserved]	1210
3	100	2	[Reserved]	
3	251	2	[Reserved]	
3	166	251	[Reserved]	

File Table

Customer Id	File Handle	Folder Id	Folder Parent Id	Metadata	
3	52.MD5	100	2	[Reserved]	1220
3	55.MD5	100	2	[Reserved]	/
3	99.MD5	166	251	[Reserved]	
3	67.MD5	166	251	[Reserved]	<u>:</u>

Figure 12



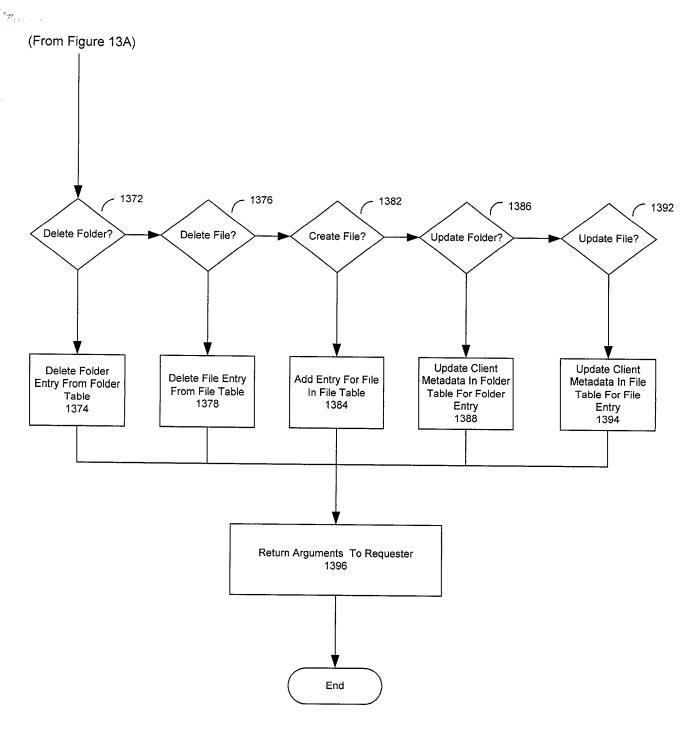
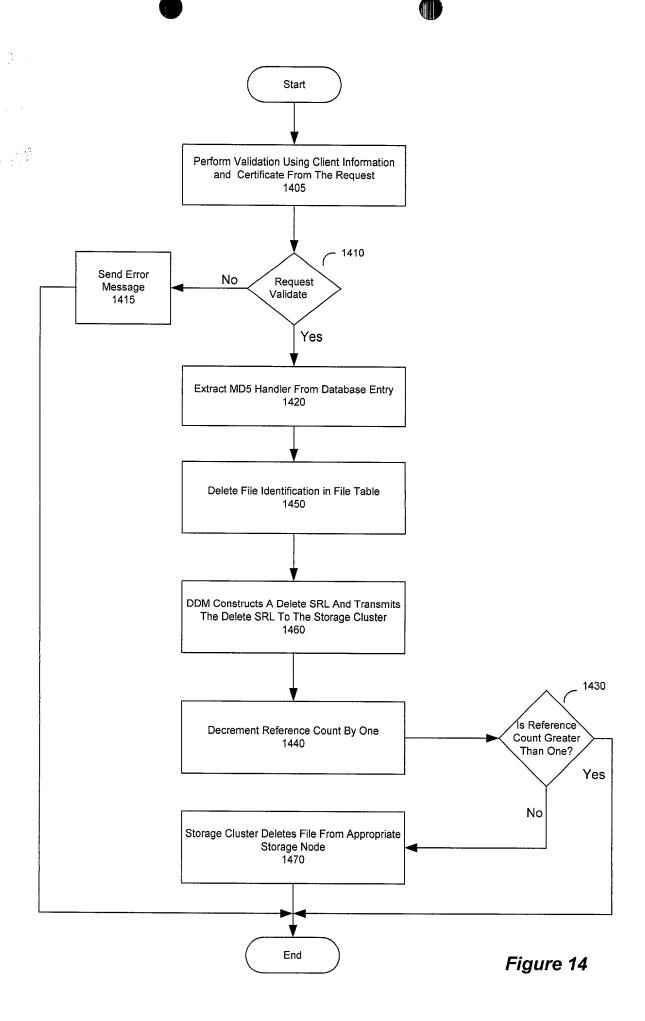


Figure 13B



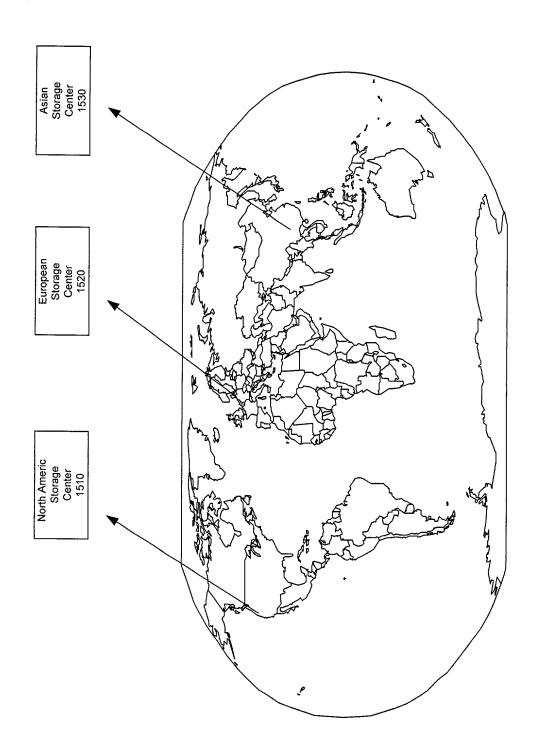
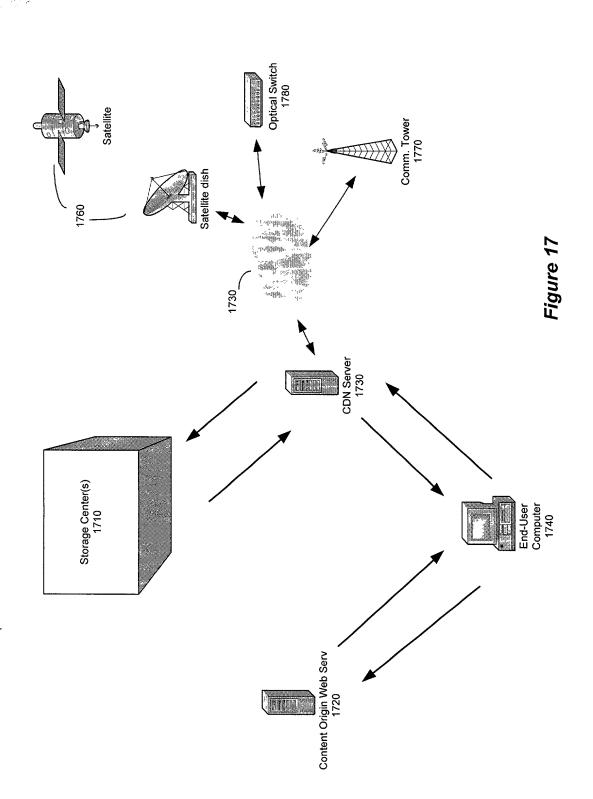


Figure 15

Figure 16



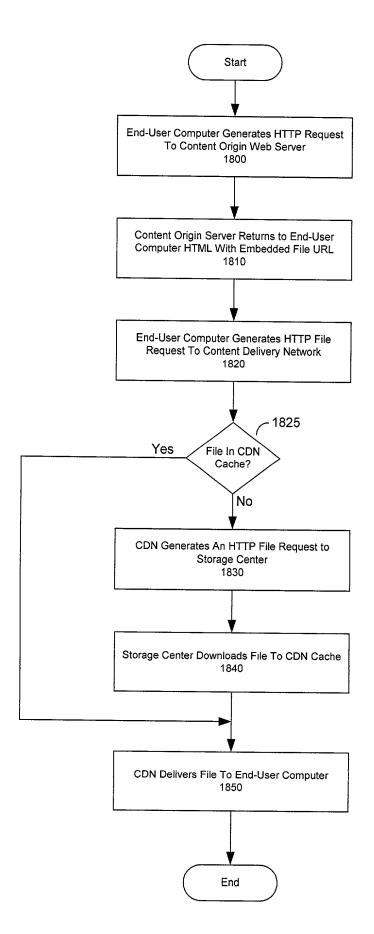


Figure 18

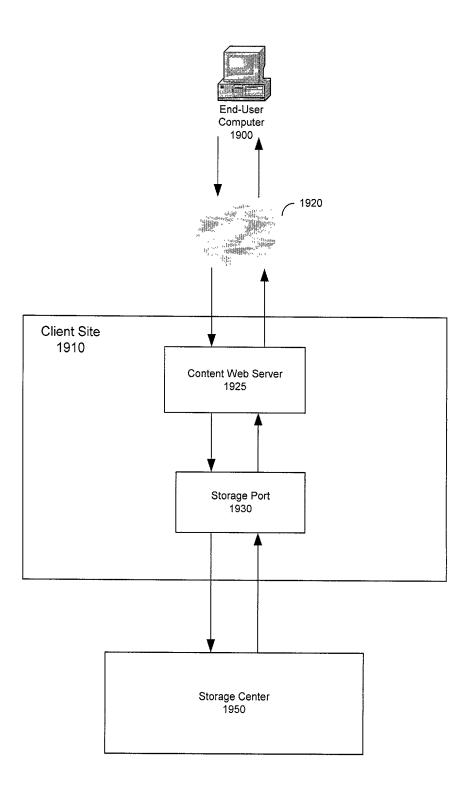


Figure 19

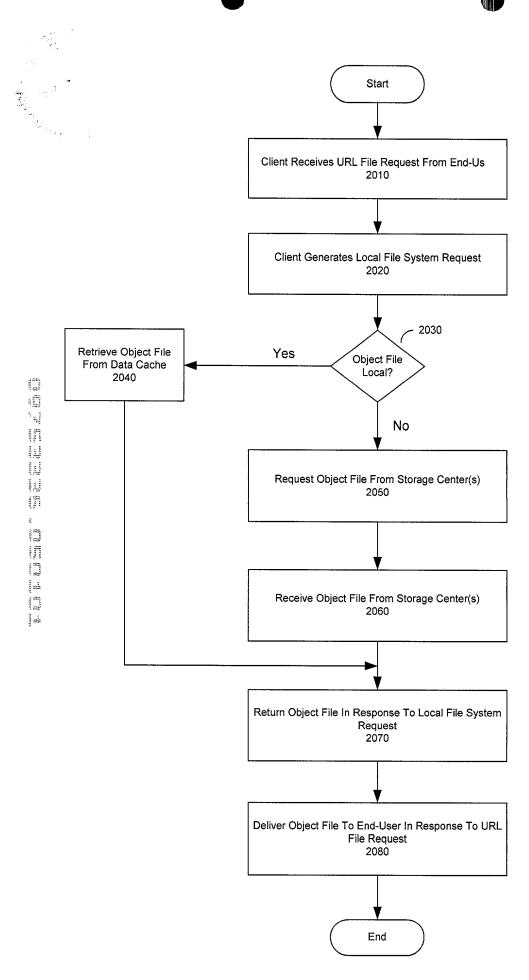


Figure 20

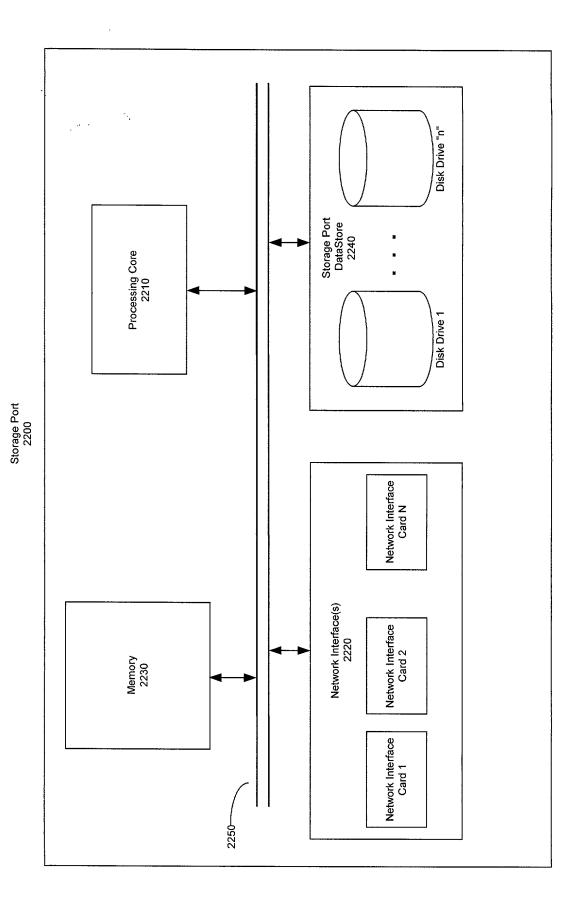


Figure 22

Anna Territ Marie and Anna Control

Total Time Time

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pare.

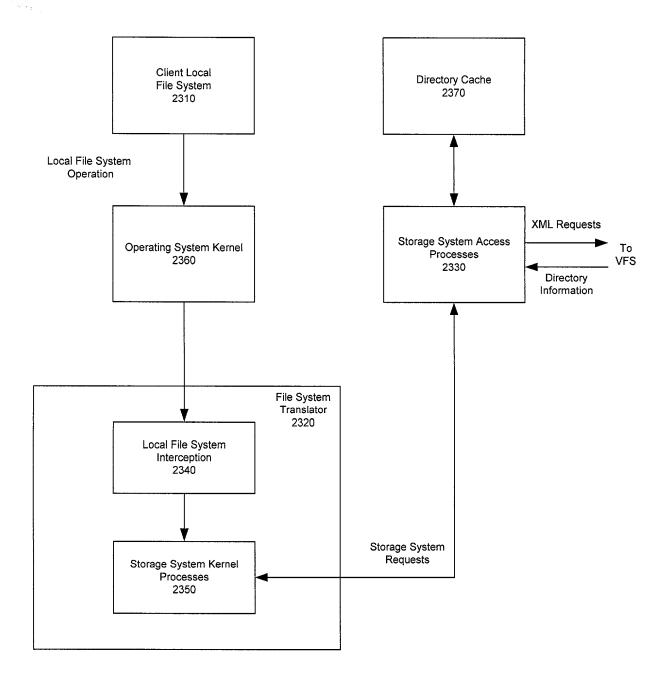


Figure 23

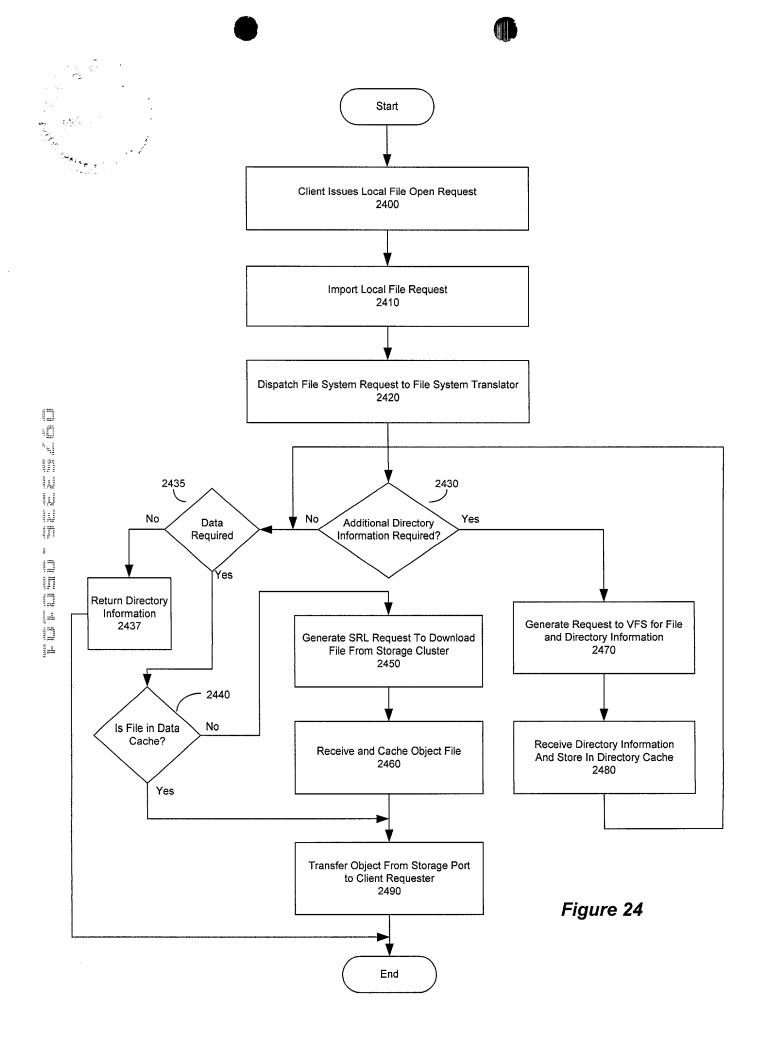
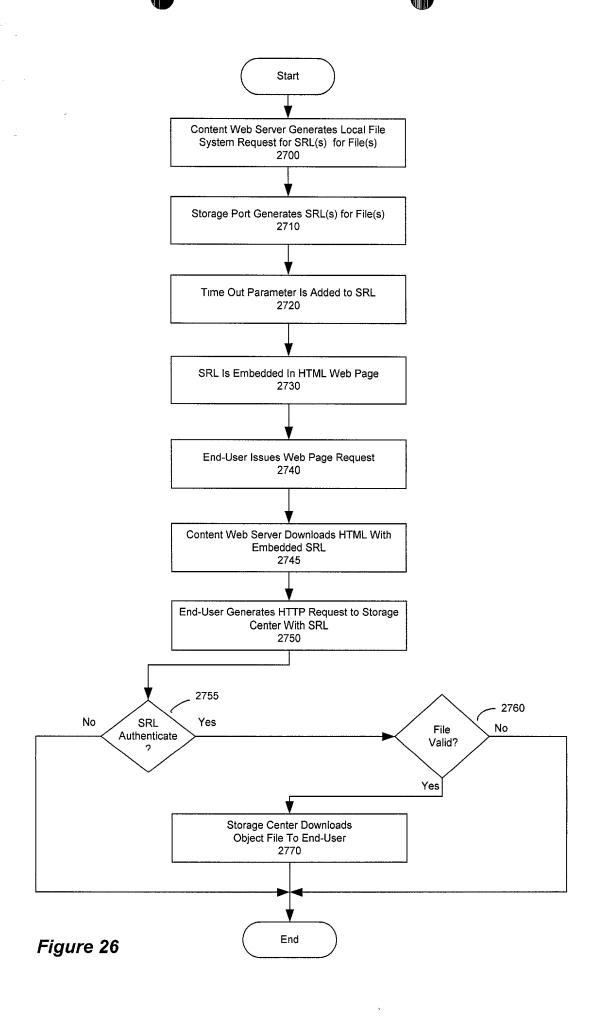


Figure 25



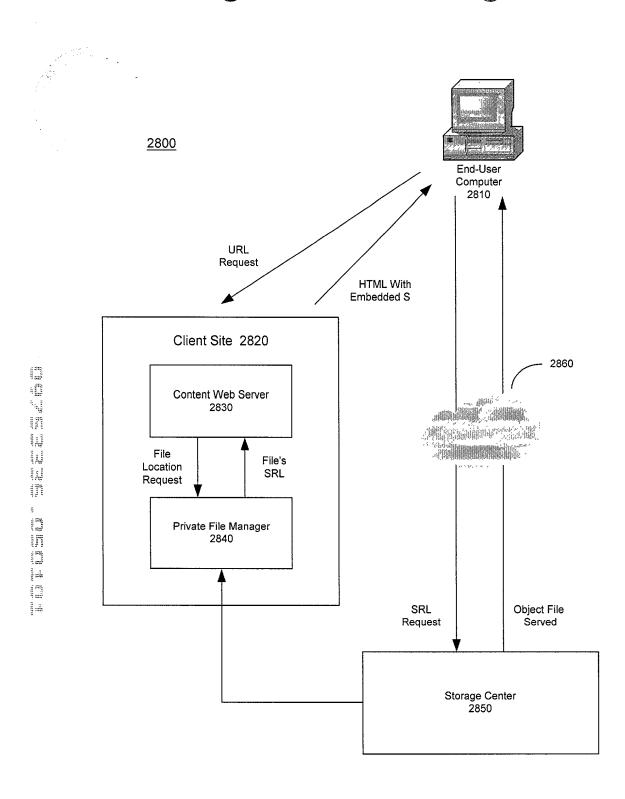


Figure 27

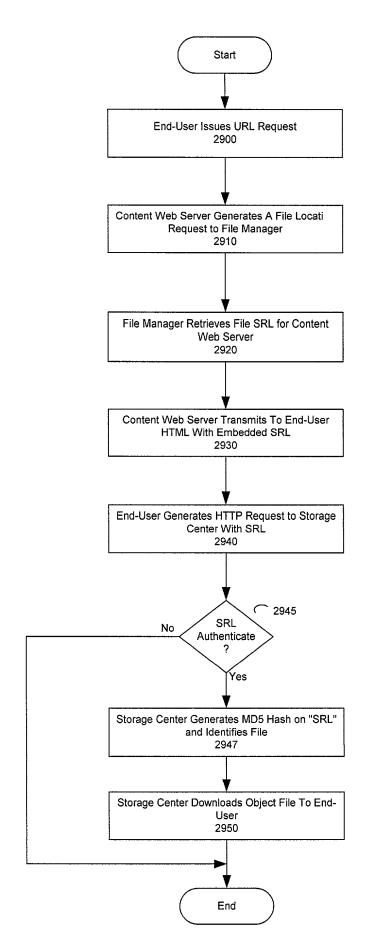


Figure 28

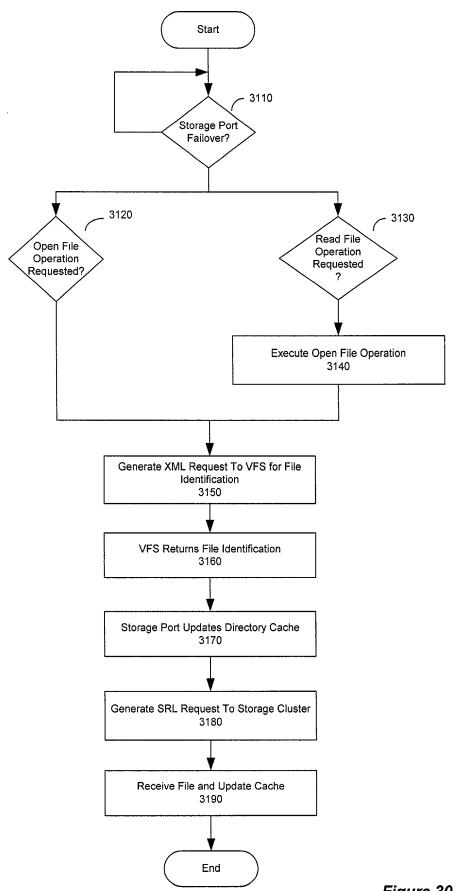


Figure 30

